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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fundamental Physical Constants**   |  |  |  | | --- | --- | --- | | Name | Symbol | Value | | Speed of light | c | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/c.gif | | Planck constant | h | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/h.gif | | Planck constant | h | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/hev.gif | | Planck hbar | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/hbarsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/hbar.gif | | Planck hbar | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/hbarsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/hbarev.gif | | Gravitation constant | G | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/G.gif | | Boltzmann constant | k | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/k.gif | | Boltzmann constant | k | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/kevk.gif | | Molar gas constant | R | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/R.gif | | Avogadro's number | NA | 6.0221 x 1023 mol-1 | | Charge of electron | e | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/e.gif | | Permeability of vacuum | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/musym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mu0.gif | | Permittivity of vacuum | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/epz.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/ep0.gif | | Coulomb constant | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/cousym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/cou.gif | | Faraday constant | F | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/Far.gif | | Mass of electron | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mesym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/me.gif | | Mass of electron | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mesym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mev.gif | | Mass of proton | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mpsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mp.gif | | Mass of proton | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mpsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mpev.gif | | Mass of neutron | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mnsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mn.gif | | Mass of neutron | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mnsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mnev.gif | | Atomic mass unit | u | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/u.gif | | Atomic mass unit | u | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/uev.gif | | Avogadro's number | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/nasym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/na.gif | | Stefan-Boltzmann constant | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/sigsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/sig.gif | | Rydberg constant | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/rysym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/ry.gif | | Bohr magneton | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mubsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mub.gif | | Bohr magneton | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mubsym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/mubev.gif | | Flux quantum | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/phiz.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/phizv.gif | | Bohr radius | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/a0sym.gif | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/a0.gif | | Standard atmosphere | atm | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/atm.gif | | Wien displacement constant | b | http://hyperphysics.phy-astr.gsu.edu/hbase/tables/imgtab/b.gif |  |  | | --- | | [Convenient combinations of constants](http://hyperphysics.phy-astr.gsu.edu/hbase/tables/concom.html#c1) | | [Index](http://hyperphysics.phy-astr.gsu.edu/hbase/hframe.html)  [Tables](http://hyperphysics.phy-astr.gsu.edu/hbase/tables/ttab.html#c1)  [[http://hyperphysics.phy-astr.gsu.edu/hbase/atmos/imgatm/exlnk.gif](http://physics.nist.gov/cuu/Constants/index.html) NIST Tables](http://physics.nist.gov/cuu/Constants/index.html) |
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